FIG. 1

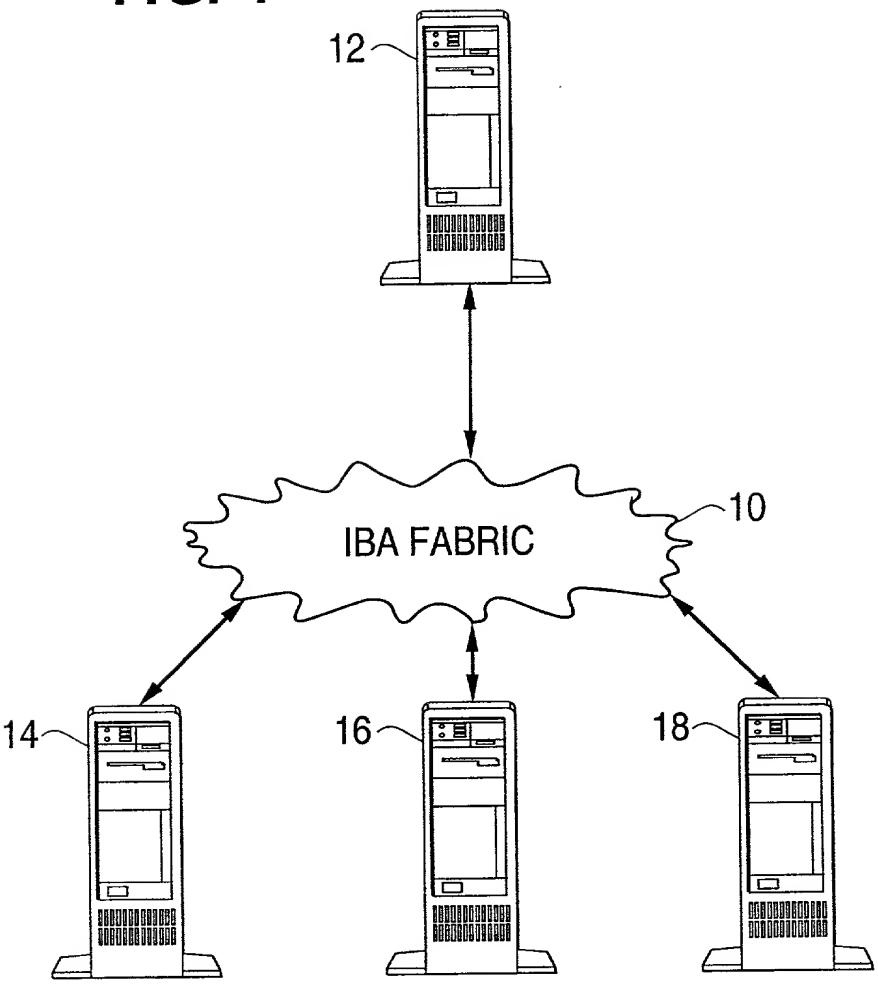


FIG. 2

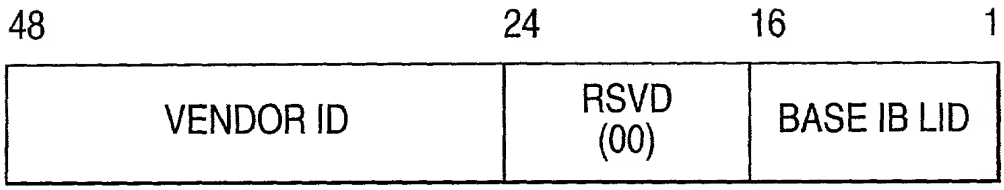
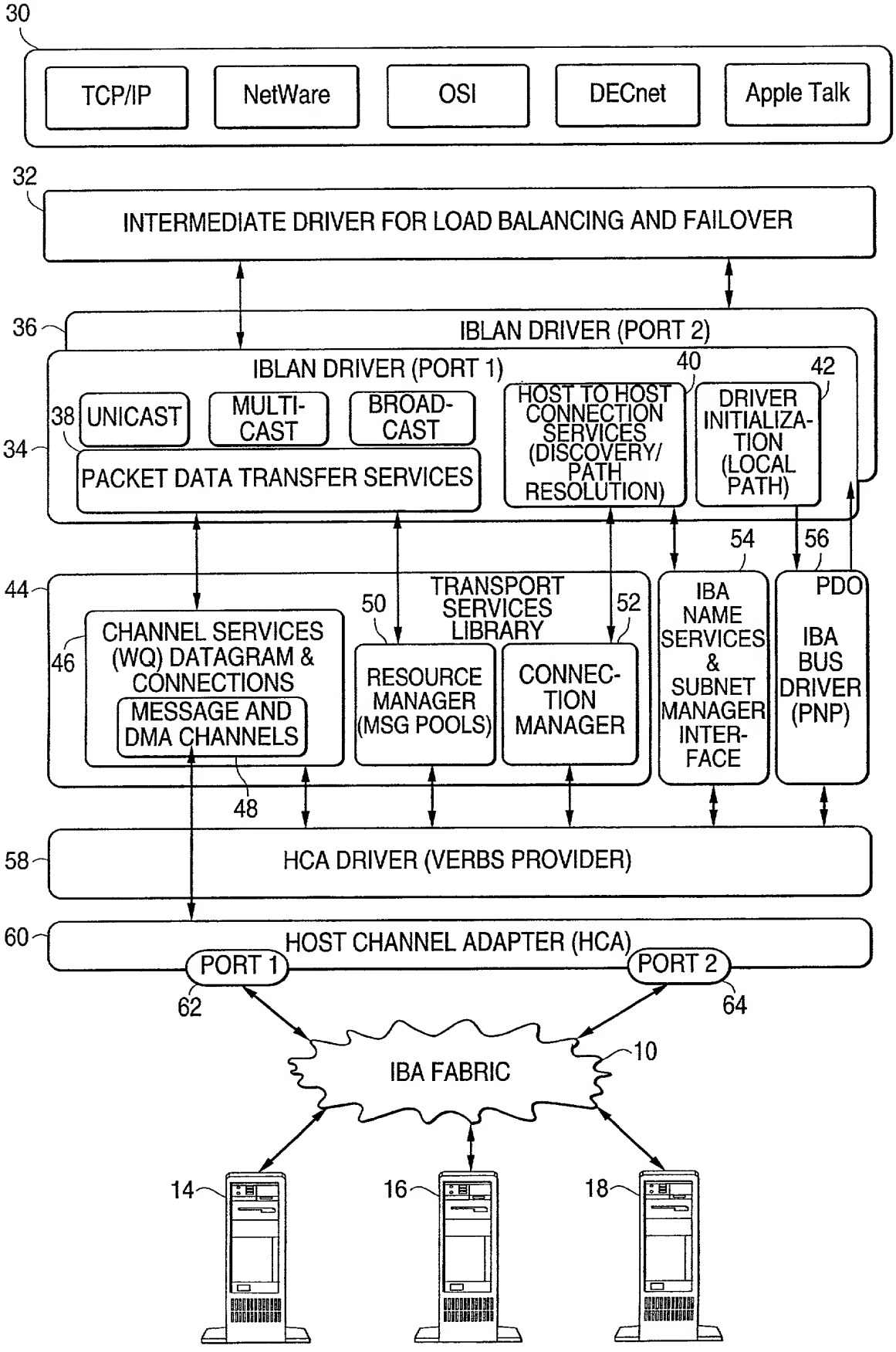


FIG. 3

NETWORK LAYER ADDRESS 1	ETHERNET ADDRESS 1
NETWORK LAYER ADDRESS 2	ETHERNET ADDRESS 2
NETWORK LAYER ADDRESS 3	ETHERNET ADDRESS 3
NETWORK LAYER ADDRESS 4	ETHERNET ADDRESS 4
↓	↓
NETWORK LAYER ADDRESS N	ETHERNET ADDRESS N

FIG. 4


30
TCP/IP
NetWare
OSI
DECnet
Apple Talk
32
INTERMEDIATE DRIVER FOR LOAD BALANCING AND FAILOVER
36
IBLAN DRIVER (PORT 2)
IBLAN DRIVER (PORT 1)
38
UNICAST
MULTI-CAST
BROAD-CAST
34
PACKET DATA TRANSFER SERVICES
40
HOST TO HOST CONNECTION SERVICES (DISCOVERY/ PATH RESOLUTION)
42
DRIVER INITIALIZA-TION (LOCAL PATH)
54
56
44
TRANSPORT SERVICES LIBRARY
50
52
46
CHANNEL SERVICES (WQ) DATAGRAM & CONNECTIONS
MESSAGE AND DMA CHANNELS
RESOURCE MANAGER (MSG POOLS)
CONNEC-TION MANAGER
IBA NAME SERVICES & SUBNET MANAGER INTER-FACE
PDO
IBA BUS DRIVER (PNP)
48
58
HCA DRIVER (VERBS PROVIDER)
60
HOST CHANNEL ADAPTER (HCA)
PORT 1
PORT 2
62
64
IBA FABRIC
10
14
16
18

PDE250 EBE6h/60

FIG. 5

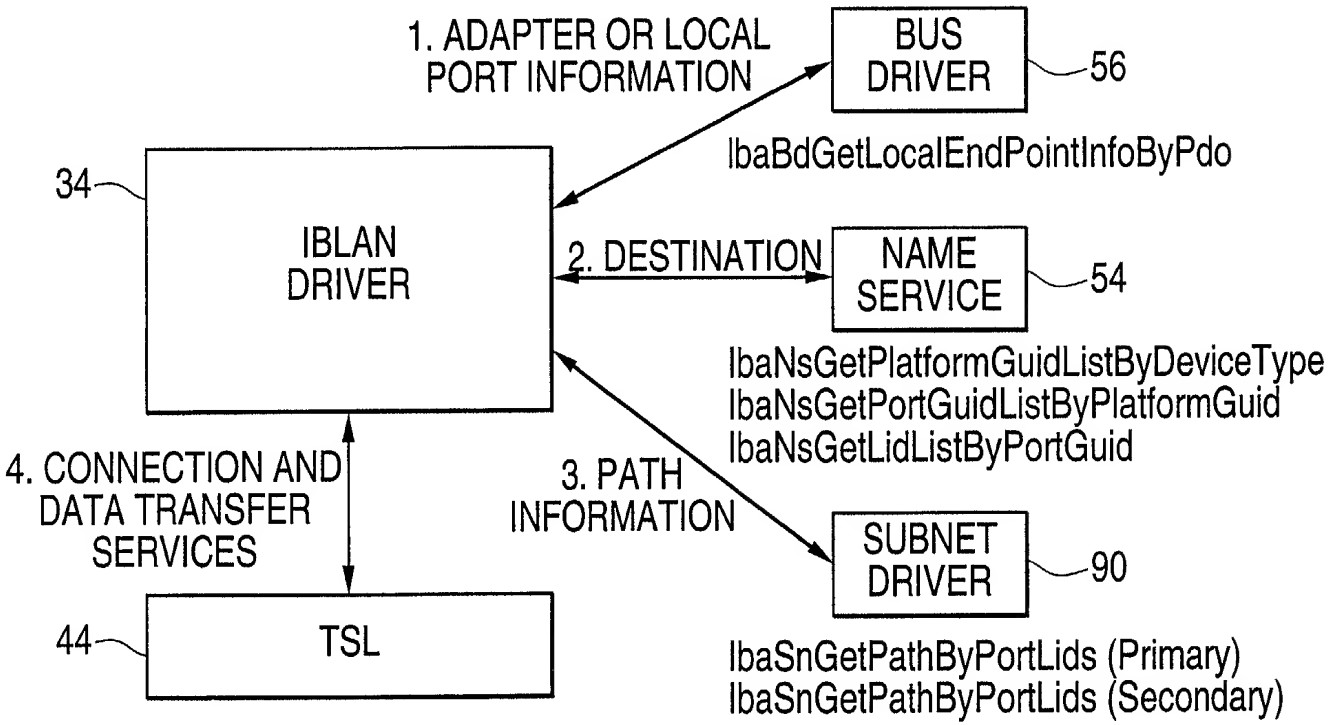
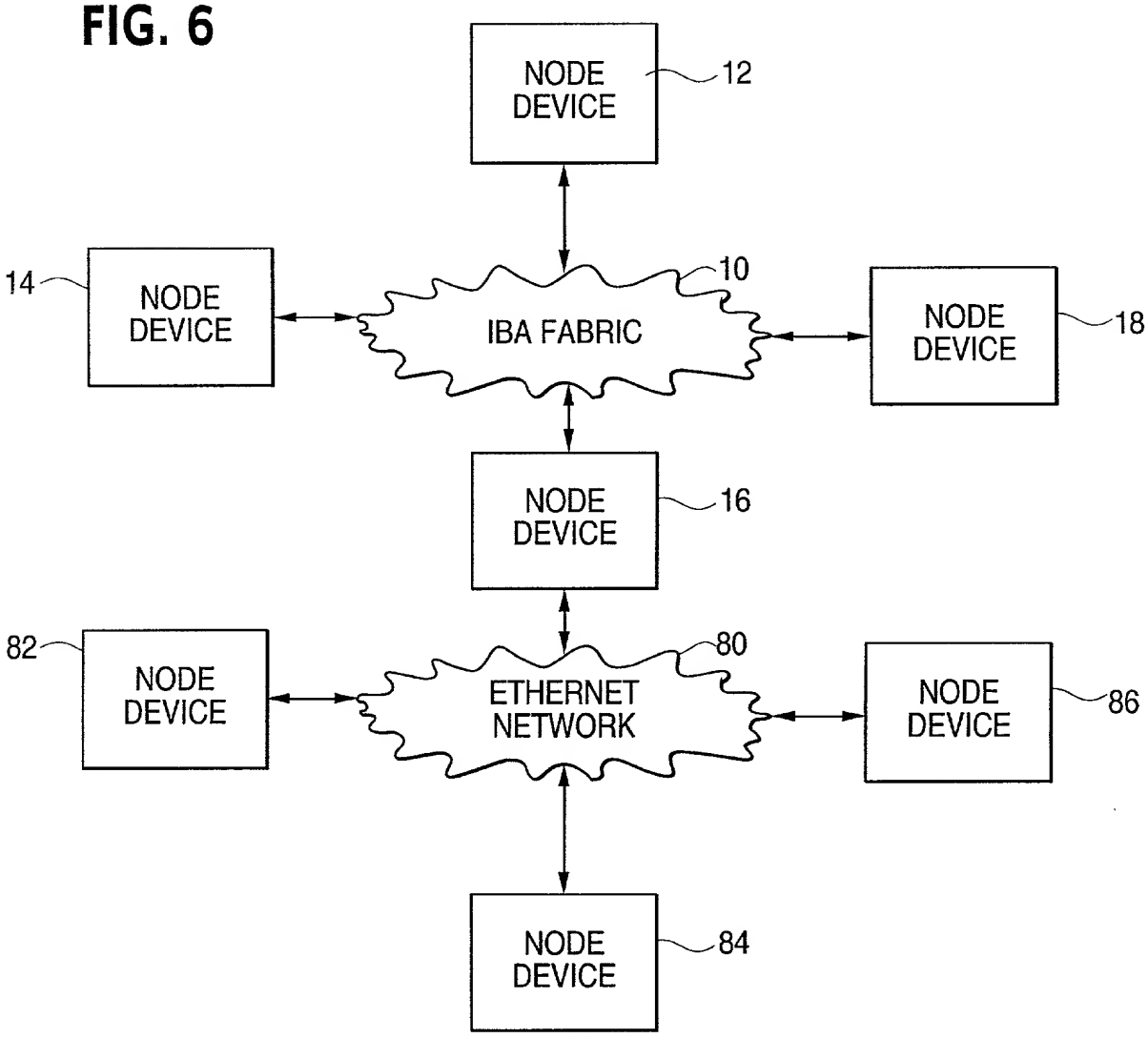


FIG. 6


NODE DEVICE
12
14
NODE DEVICE
10
IBA FABRIC
NODE DEVICE
18
NODE DEVICE
16
82
NODE DEVICE
80
ETHERNET NETWORK
NODE DEVICE
86
NODE DEVICE
84